



# ENVIRONMENTAL EDUCATION

## Providing A World Of Opportunities



# How to Find Your Way

Environmental Education in North Carolina





**A World of Opportunities  
How to Find Your Way  
Environmental Education  
in North Carolina**

North Carolina Department of  
Environment and Natural Resources  
**Office of Environmental Education**

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**Special Thanks**    **LEA BEAZLEY**  
North Carolina Department of  
Environment and Natural Resources,  
Division of Parks and Recreation,  
for the concept of a North Carolina  
environmental education resources  
poster and guide.

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# Introduction

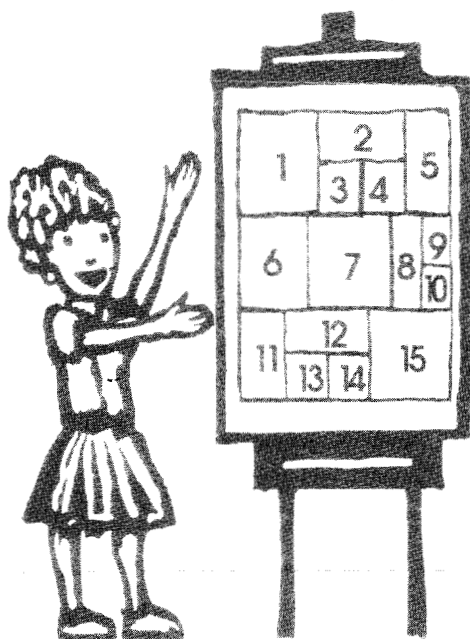
Climb Mt. Mitchell and view the expanse of the Blue Ridge Mountains. Pet a turtle. Walk the beach and get your feet wet. Cuddle a baby opossum. Assess a stream's water quality. Love a tree. Provide a resting spot for a butterfly. Visit a polar bear. Analyze digitized geographic data. Listen to a seashell. Use a compass to find your location. Wade into a stream and seine for aquatic critters. Look for salamanders. Stake out a plot of sand to study. Discover your ecological address. From the mountains to the sea, North Carolina is teeming with virtually endless opportunities to experience and to learn about the natural environment. These are just a few. You can take advantage of these and other opportunities by tapping into a vast reservoir of environmental education opportunities around the state.

Whatever subject or grade level you teach anywhere in the state, you can find resources to help you learn and teach about the environment. You can learn about the many different facets of our natural heritage and how everything everywhere is connected. You can learn how to teach your students where they fit into natural systems in the state and their community. You can investigate how your choices and actions impact the environment. We invite you to awaken the natural curiosity of your students and to rekindle your own. You and your students are sure to gain a sense of wonder and appreciation along with a deeper understanding and new skills. You can travel all over the state and experience the out-of-doors with all your senses. You can also stay indoors at home or school and travel even further on the electronic pathways of your computer.

To discover, to enjoy and to learn about the environment is what environmental education is all about. Join us on a trip around the state to explore a world of opportunities. You won't get lost. This guide will show you how to find your way.

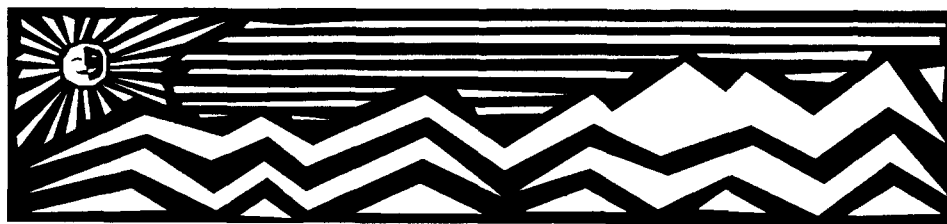
## Poster Photo Credits

1. Mount Mitchell State Park (photograph by Hugh Morton)
2. North Carolina Department of Environment and Natural Resources, Division of Water Resources: Streamwatch program (photograph by Jim Page)
3. North Carolina Department of Environment and Natural Resources, North Carolina State Museum of Natural Sciences: Using the Outdoors to Teach Experiential Science (UTOTES)
4. North Carolina State University, Center for Geographic Information Analysis, North Carolina Urban and Regional Information Systems Association, Town of Cary, North Carolina Department of Environment and Natural Resources, Office of Environmental Education: Neuse River Basin Geographic Information Systems workshop
5. United States Environmental Protection Agency/North Carolina Wildlife Resources Commission: Teaching Fellows Program
6. International Paper/North Carolina Department of Environment and Natural Resources, Office of Environmental Education: LOVE A TREE program (photograph by Jim Page)
7. North Carolina Forestry Association: Forest Resources and Environmental Camp (photograph by Ken Taylor)
8. North Carolina Department of Environment and Natural Resources, North Carolina State Museum of Natural Sciences: Monarch Watch butterfly tagging program
9. Weyerhaeuser Cool Springs Environmental Education Center: Environmental education program
10. North Carolina Department of Environment and Natural Resources, North Carolina Zoological Park: Polar bear exhibit
11. North Carolina Wildlife Resources Commission, Teaching Fellows: Aquatic WILD workshop
12. North Carolina Wildlife Resources Commission, Teaching Fellows: Coastal Ecology with Project WILD
13. North Carolina Department of Environment and Natural Resources, North Carolina Aquariums: Education Program at Roanoke Island
14. North Carolina Department of Environment and Natural Resources, North Carolina Aquariums: Touch tank at Fort Fisher (photograph by Jim Page)
15. North Carolina Department of Environment and Natural Resources, North Carolina Aquariums: Release of rehabilitated baby seal (photograph by Drew Wilson, *Virginian Pilot*)



# A World of Opportunities How to Find Your Way

This is an activity guide for educators who want to learn how to find programs, resources, facilities and activities for environmental education in North Carolina. Use this guide if you are seeking classroom materials, teacher training, field trips or other opportunities to integrate into your everyday curriculum. You will learn what to look for, as well as where and how to look. You will benefit most if you complete the activities in addition to reading the information.

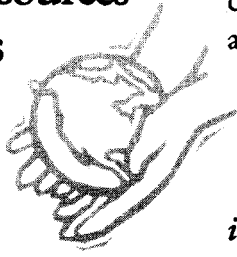


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# Types of Environmental Education Resources and Programs



A world of environmental education opportunities beckons. You can participate in hundreds of learning experiences all over the state. You can find a huge assortment of classroom materials for students of all ages. Have you considered the possibilities?

## Resources

*instructional materials*, including teacher activity guides  
curriculum materials, student handbooks and posters

*media*, such as videos, slide sets, computer programs, audiotapes  
and multimedia

*publications*, including books, booklets, brochures, magazines  
and newsletters

*reference materials*, such as correlations, catalogs, pamphlets,  
fact sheets and nature guides

*resource kits*

*contests*, including science projects, essay contests and poster contests

*web sites*

## Programs

*site visits*, including tours, field trips, nature trails and public programs

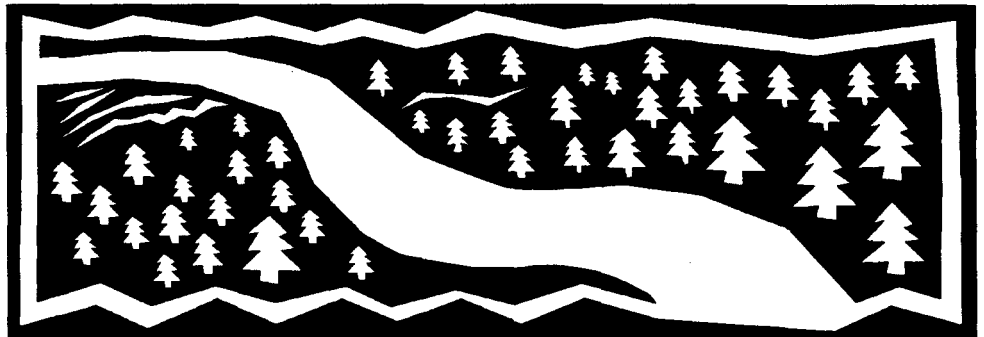
*training workshops* for teachers and volunteers

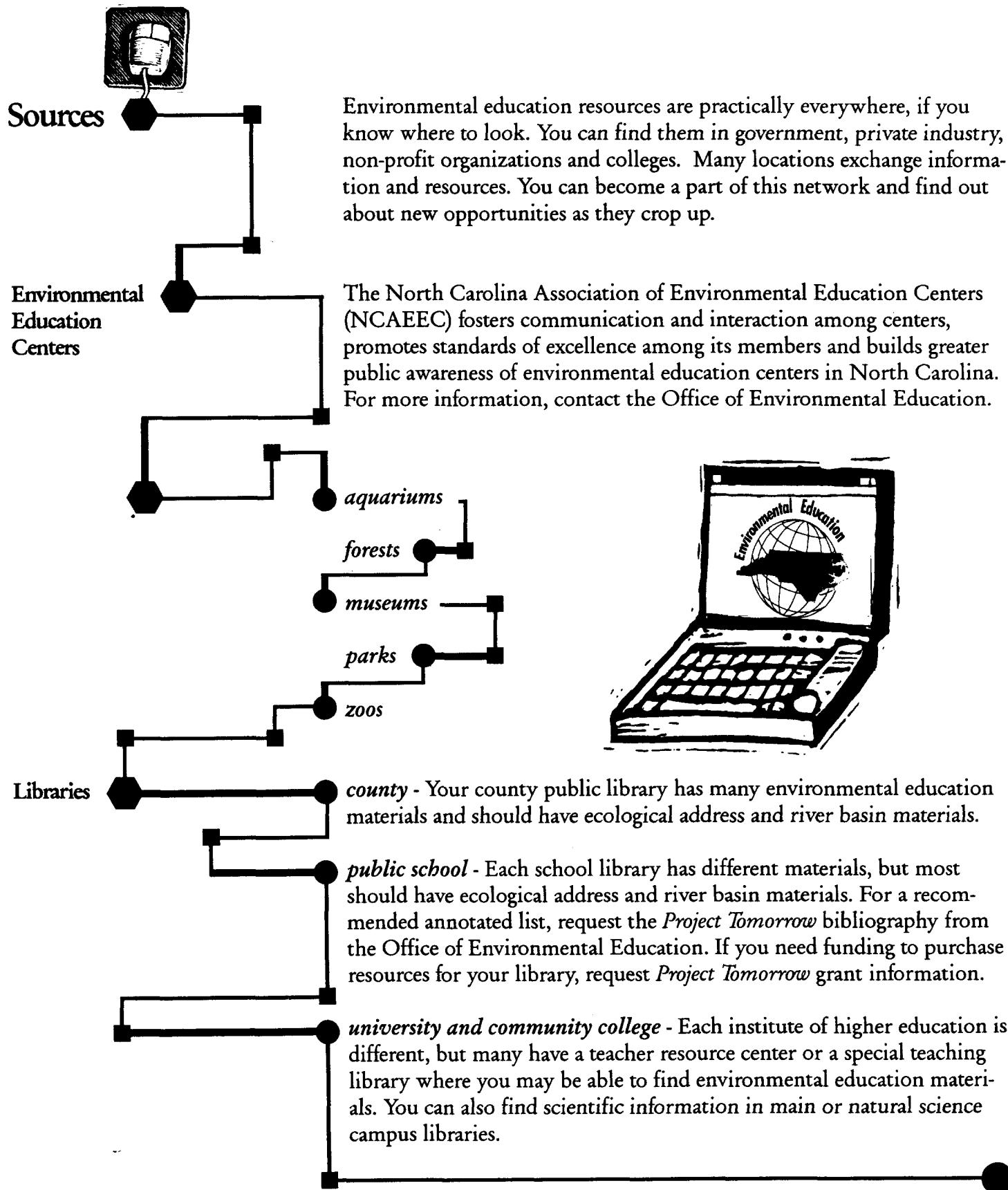
*displays/exhibits* at museums, Environmental Education Centers,  
and discovery rooms

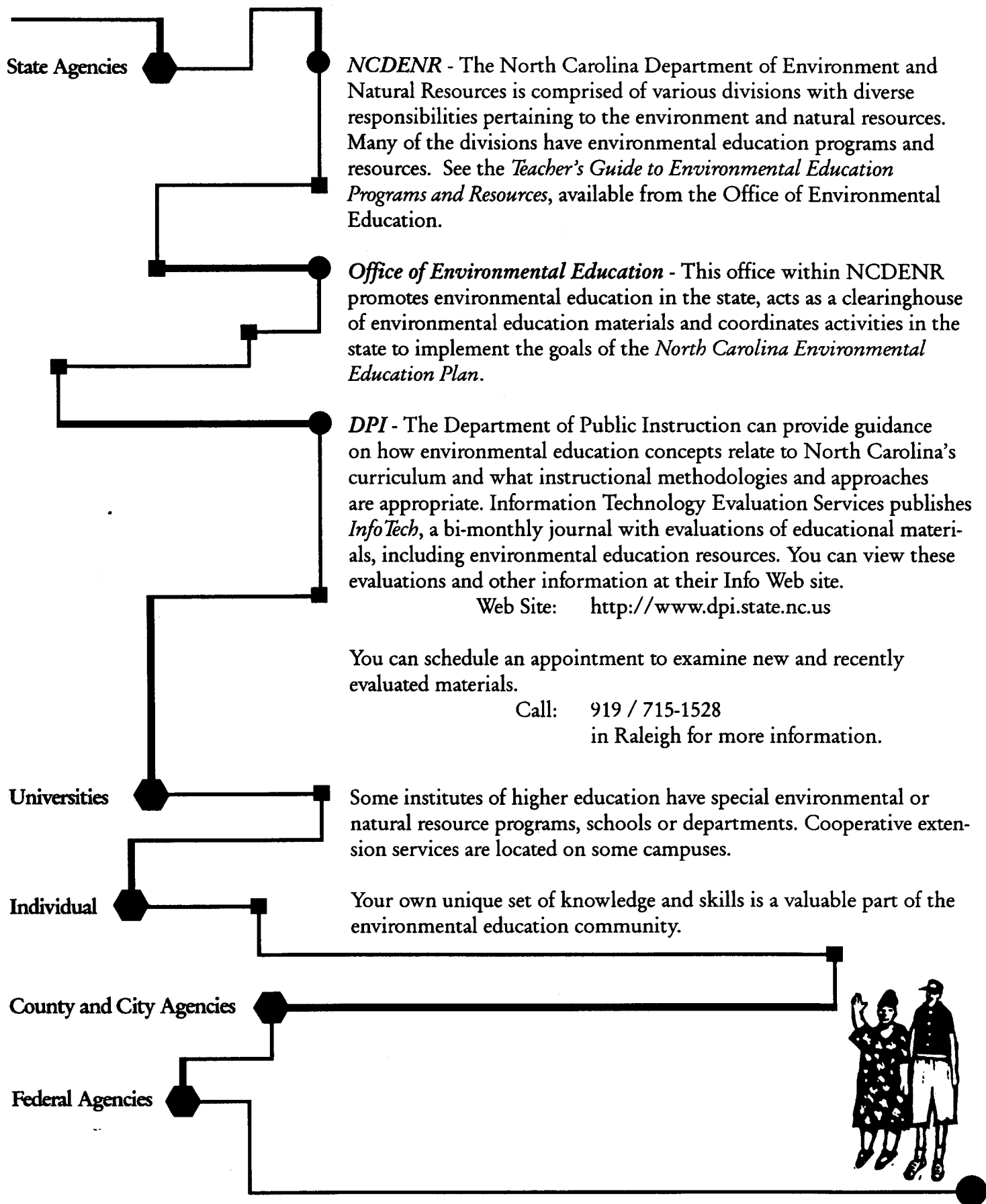
*outreach*, including classroom programs and demonstrations

*public speakers*

*special events*, including fairs and conferences









## Environmental Organizations

*The Guide to North Carolina's Environmental Groups* describes over 200 environmental organizations.

To order: send a check for \$15 with your name and address  
mail to: UNC-CH Environmental Resource Program  
CB 7400, Rosenau Hall  
Chapel Hill, NC 27599-7400.  
call: 919/966-7754  
e-mail: [erp@unc.edu](mailto:erp@unc.edu)  
web site: <http://www.sph.unc.edu/erp/>.

The guide may be available in your local public library.

## Professional Societies

One of the best ways to keep abreast of the field and to become part of a diverse state-wide network of environmental educators is to join Environmental Educators of North Carolina. For membership information,

write: EENC  
Post Office Box 4901  
Chapel Hill, NC 27515-4901

## Private Industry

Many businesses become involved in environmental education by featuring exhibits in visitor's centers, producing educational materials and forming partnerships with other agencies.

## Non-profit Foundation

Environmental Education Fund  
PO Box 25825  
Raleigh, North Carolina 27611-5825

*The North Carolina Environmental Education Plan* describes principles and concepts of environmental education and the state's fourteen objectives for environmental education. These objectives encompass professional development, pre-service teacher education, higher education, an information clearinghouse, curriculum correlation, model library collection, educational access to digitized environmental data, evaluation, environmental education centers, government agencies, funding, adult education and partnerships among organizations including business and the media.

## ACTIVITY 1 - *Investigating* Environmental Education Programs and Resources



A wide variety of environmental education materials are available through a network of different organizations. How do you find specific resources you need? The best place to investigate the options is with a comprehensive listing. If you don't already have a copy of the following guides, request them from the North Carolina Office of Environmental Education (919/733-0711 or 800/482-8724). Ask for a list of their other resources as well. The next two activities will familiarize you with the contents of these guides.

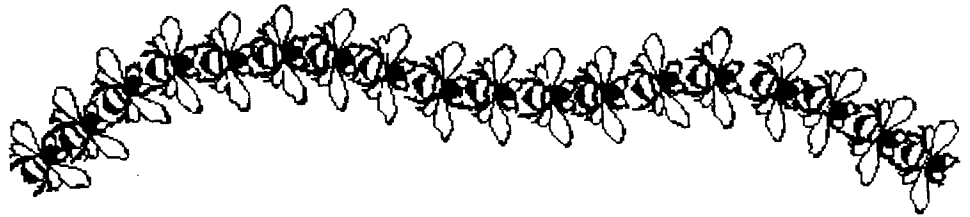
- *Teacher's Guide to Environmental Education Programs & Resources*
- *Guide to Environmental Education Centers in North Carolina*

### *Teacher's Guide to Environmental Education Programs and Resources. . .*

describes programs and materials provided through various divisions within the North Carolina Department of Environment and Natural Resources (NCDENR), (previously the Department of Environment, Health and Natural Resources). Use the guide to answer the following questions. Check your answers on page 17.

- 1) Most Outreach Programs for the North Carolina Aquarium at Pine Knoll Shores include live animal demonstrations. What kinds of animals could you expect to see?
- 2) Where could you go to find a Talking Tree Trail?
- 3) *Project Estuary* and *Sound Ideas* workshops include field trips to two sites in the National Estuarine Research Reserve System. What are they?
- 4) How could you obtain a Zoofari Bag?
  - a) go to the zoo and pick one up
  - b) attend a Zoo Concepts workshop
  - c) call the education coordinator at the North Carolina Zoo
  - d) any of the above

- 5) A description of environmental education activities within NCDENR is provided in the guide. The Division of Water Resources has been named state coordinator of what program?
- 6) An index lists the programs and activities by division or agency. One of the programs listed under the North Carolina Wildlife Resources Commission is a program called *WILD Education Sites*. What is it?
- 7) A matrix in the guide allows you to quickly compare the audience and methods of the various programs. Which program is a contest for high school students that is provided by the Division of Soil and Water Conservation.



## ACTIVITY 2 - *Exploring* Environmental Education Centers in North Carolina

Itching for adventure? MAKE A BEELINE TO AN ENVIRONMENTAL EDUCATION CENTER. There are over a hundred centers in North Carolina. An Environmental Education Center is a facility that is open to the public with programs and resources that promote environmental education. They include parks, museums, educational state forests, aquariums, the Zoo and other public and privately owned facilities. Use the *Environmental Education Centers in North Carolina Guide* to answer the following questions. Check your answers on page 17.

- 1) A matrix in the guide allows you to easily compare services and facilities among environmental education centers. What environmental education center has a computer center, services for the physically impaired and educator workshops?
- 2) Which of the North Carolina Coastal Federation's outdoor programs examines insect-eating plants?
- 3) Look on the map of North Carolina Environmental Education Centers. Which center is located in the most southern part of the state?
- 4) What environmental education center is located in Avery county? Check which environmental centers are in your county.

- 5) Weyerhaeuser's Cool Springs Environmental Education Center provides a real world setting for hands-on learning about what three topics?
- 6) What program does the North Carolina Maritime Museum offer at the Cape Lookout field station?
- 7) The mission of the North Carolina Estuarium is to stimulate sustainable, community driven economic well-being within which geographic region?



### EXTRA MILEAGE

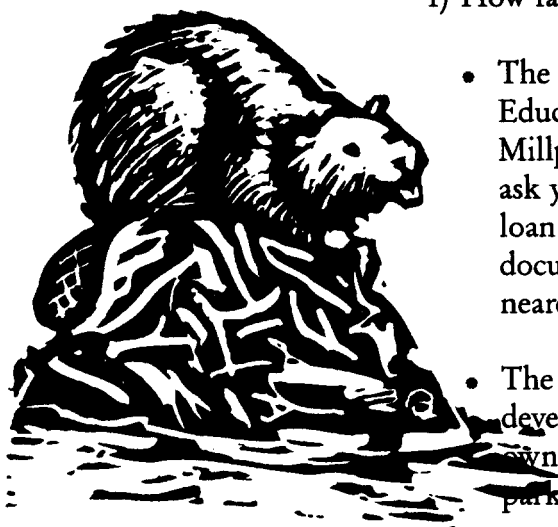
Find and visit one of your local environmental education centers. What programs do they offer? What can you learn about your ecological address? How does the center's ecological address differ from your own?



## ACTIVITY 3 - *Finding* Environmental Education Resources

Grab a fishing pole, a butterfly net, hiking shoes, paddling gear or whatever you need to turn possibilities into reality. To catch your prey, action is required! To answer the following questions, you need to find specific environmental education resources. Resources are available either at your public or school library or directly from the resource agency.

- 1) How fast can a beaver cut down a five-inch thick tree?



- The answer is in *Leave It To Beaver*, an Environmental Education Learning Experience (EELE) from Merchants Millpond State Park. To see a copy of this activity guide, ask your public library to request it through interlibrary loan from the State Depository Library system. The ERIC document number is ED376023. You can also go to the nearest state park and ask the ranger to show you a copy.
- The North Carolina Division of Parks and Recreation has developed a unique EELE for every state park. To get your own copy, you can attend an EELE workshop. Call the state park nearest you and ask them about upcoming workshops.



- The state EELE coordinator has a complete list of EELEs, their ERIC document numbers and a list of upcoming EELE workshops. To contact the EELE coordinator

call: 919/846-9991  
 e-mail: ncs1438@interpath.com  
 or write: Division of Parks and Recreation  
 12700 Bayleaf Church Road  
 Raleigh, NC 27614

2) What are some potential school grounds projects in the *UTOTES* (Using The Outdoors To Teach Experiential Science) program?

- Find the answer in the free *Educator's Guide to Museum Services*, available from the NC Museum of Natural Sciences

write: School Programs  
 NC Museum of Natural Sciences  
 Post Office Box 29555  
 Raleigh, NC 27626-9555  
 or call: 919/733-7450 Ask to speak with someone in School Programs.

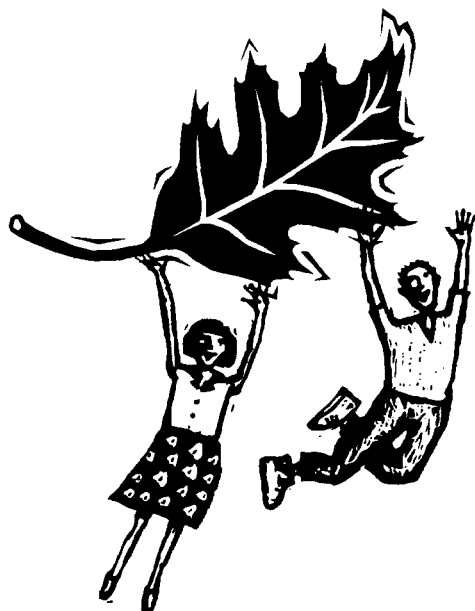
3) According to *Branching Out, The North Carolina Forest Stewardship Activity Guide*, Oak Hickory, Loblolly-Shortleaf Pine and Longleaf Pine are three of the four major types of forests in North Carolina. What is the fourth?

- Request this free middle-school activity guide

call: 919/515-5518  
 or write: Forestry Extension  
 Box 8003  
 NCSU, Raleigh, NC 27695

The entire guide is available on the Internet at  
<http://www.ces.ncsu.edu/nreos/forest/steward/pdf/brantoc.html>

- You may also want to request *The Leaf*, "N.C. Project Learning Tree's Info Leaflet" and a list of upcoming Project Learning Tree workshops across the state.



4) According to *Beyond Recycling: A Waste Reduction Manual for Schools*, recycling is just one strategy for reducing waste. What are three other effective ways to reduce waste?

- To obtain this free manual

call: 919/715-6500 or 800/763-0136  
 or write: North Carolina Division of Pollution  
 Prevention and Environmental Assistance  
 Post Office Box 29569  
 Raleigh, NC 27690-7114

- Check out Appendices B-E in the manual for extensive lists of additional resources on this topic.
- If you're serious about waste reduction, request a **free** copy of the hefty and comprehensive Solid Waste Management in North Carolina: A Curriculum Resource Guide for Teachers.

5) What's on the bottom of the Wetlands: Water, Wildlife, Plants & People poster?

- To request this **free** educational poster, which has wetlands information and activities on the back,

call: 800 / 832-7828

U.S. Environmental Protection Agency's  
Wetlands Information Hotline.

Indicate whether you want the grade school or middle school edition.

- You may also want to ask them for a list of their other educational materials (all **free**).

6) Fill in the blanks. What We're \_\_\_\_\_ from the \_\_\_\_\_ is the byline for *Conch Shell*, a **free** educational newsletter from North Carolina Sea Grant.

- This newsletter is a great source of information on marine issues and upcoming environmental education opportunities. To request a copy or a subscription,

call: 919/515-2454

or write: *Conch Shell*

NC Sea Grant

Box 8605

NC State University

Raleigh, NC 27695-8605.



7) Chlorine is a hazardous waste harmful to fish. How can it be easily and effectively removed from water?

- The answer is in Fit For A Fish, an activity sheet in the **free** Albemarle-Pamlico Environmental Education activity kit from the U.S. Fish & Wildlife Service.

To request this kit, which includes activity sheets on water quality and fish and wildlife,

call: 919/856-4520

or write: U.S. Fish & Wildlife Service

Post Office Box 33726

Raleigh, NC 27636-3726.



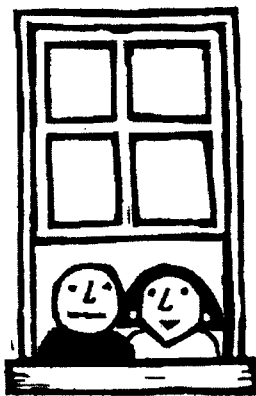
Once a year, thousands of students across the state have the opportunity to plant trees and participate in related environmental education activities. Produced by International Paper, Love A Tree kits are provided **free** to teachers who respond to a Fall mailing. Teachers pick up the kits this spring at their local environmental education center. To be included in the Fall mailing, send your name and address to the North Carolina Office of Environmental Education.

### EXTRA MILEAGE

You can find great resource materials in print and media through numerous commercial environmental education catalogs. If your school doesn't already have copies of the following catalogs, call and order a **free** copy.

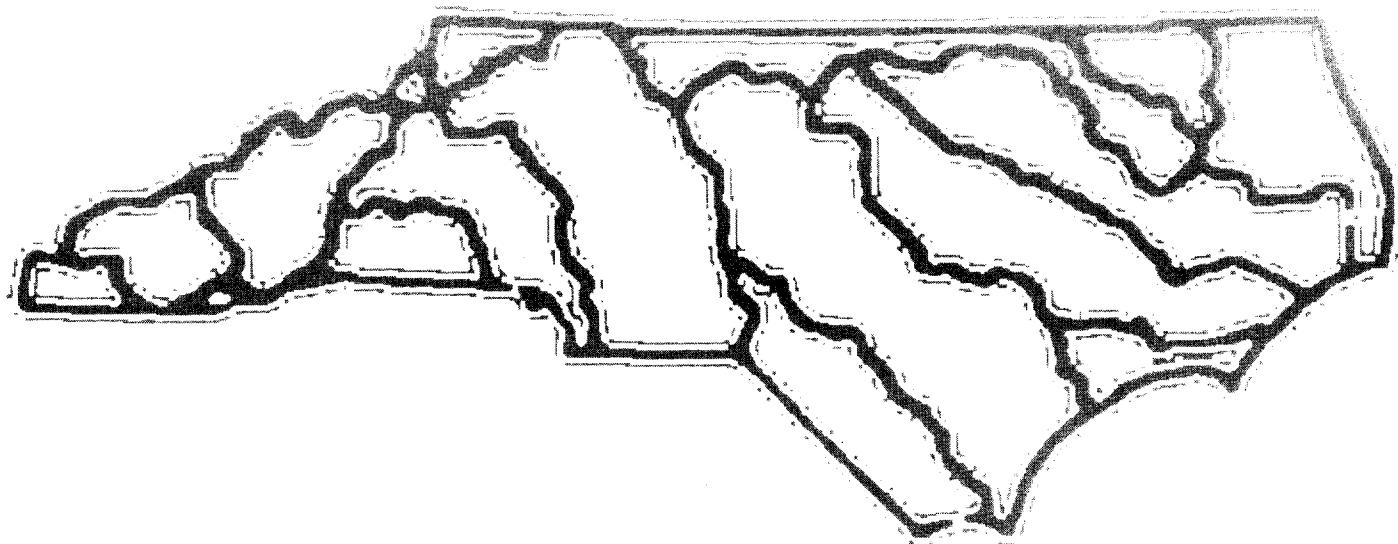
<i>Acorn Naturalists</i>	800/422-8886
<i>Common Ground</i>	800/654-0626
<i>Environmental Media</i>	800/368-3382
<i>Let's Get Growing</i>	800/408-1868
<i>Poster Education</i>	800/858-0969

### What's Your Ecological Address?



How observant are you of the natural environment? Do you notice the formation of the clouds, the color of the sky, the smell of the woods, the buzz of insects, the swaying of trees? Even if you don't live in the wilderness, you are profoundly affected by your natural surroundings. Your actions can have a dramatic impact on the environment. Do you know where the water, air and soil you come in contact with came from and how you affect them? This knowledge is part of your *ecological address*.

Your ecological address is a description of all the natural elements in your immediate environment, including river basin, rainfall, soil, topography, food, air, land use, vegetation and wildlife. It even includes your place in all of it. The more you know about your ecological address, the more you know about where you live and how you influence it. The next three questions pertain to this concept.



1) In which river basin do you live?

- To find the answer, consult the *Discover Your River Basin!* map, which should be available at your public county library or school library. If your school library or media center does not have the map, request one from the North Carolina Office of Environmental Education. You may purchase additional copies for \$5.00.

2) What is the principal type of rock found in your county? There may be more than one.

- You will find the answer on the *Generalized Geologic Map of North Carolina* produced by the North Carolina Geological Survey. To obtain a copy of the map

call 919/715-9718

or write: NCDENR, Division of Land Resources  
Post Office Box 27687  
Raleigh, NC 27611-7687

- You may also want to request their publications list and one of the following free poster and activity packages produced by the U.S. Geological Survey:

*Map Adventures* (grades K-3)

*What Do Maps Show?* (upper elementary and junior high school)

*Exploring Maps* (grades 7-12)

*Global Change* (grades 4-6)



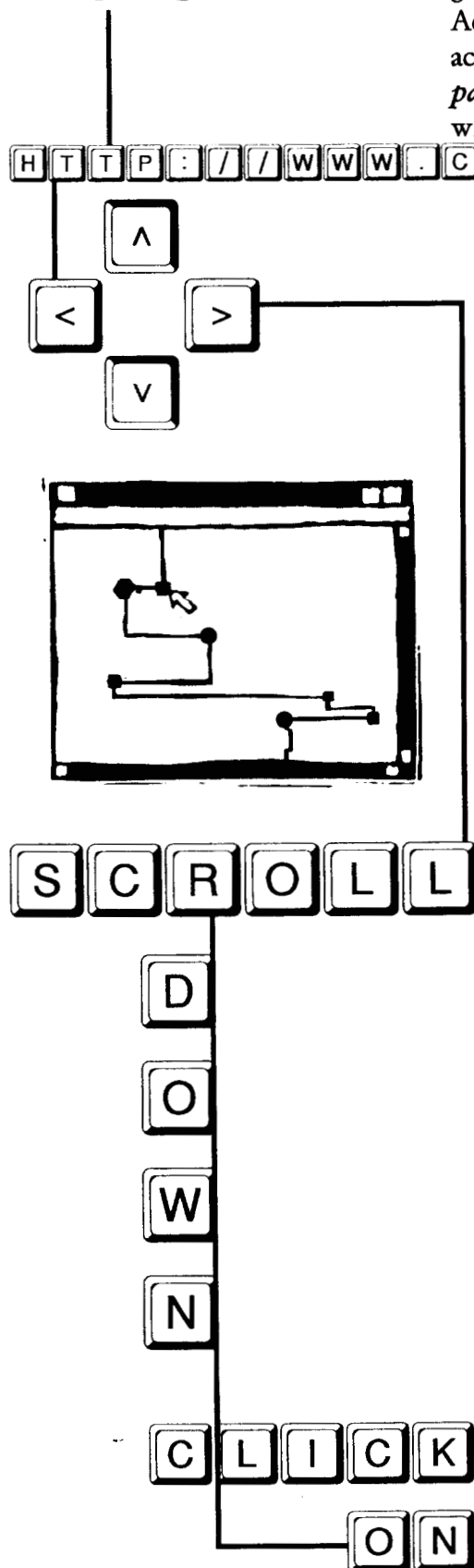
3) What's the air quality in your area today?

- A daily air quality report for major metropolitan areas in North Carolina  
call: (toll-free number) 888/AIR-WISE (247-9473)  
For information on ozone and NC's Air Awareness program  
call: 888/RU4-NCAIR (784-6224) the Division of Air Quality's toll-free Air Awareness Automated Hotline  
The above information is also available at their web address:  
<http://daq.state.nc.us/ozone/airaware.html>
- For information about upcoming free Air Quality educator workshops  
call: 919/715-8666,  
e-mail [jill\\_vitas@aq.ehnr.state.nc.us](mailto:jill_vitas@aq.ehnr.state.nc.us)  
or write: Jill Vitas  
Division of Air Quality  
Post Office Box 29580  
Raleigh, NC 27626-0580.
- The United States Environmental Protection Agency (EPA) has a comprehensive air quality education program and conducts free Air Quality workshops in Research Triangle Park. To request a schedule of upcoming workshops and a free copy of *EPA's Measuring Air Quality: The Pollutant Standards Index* brochure  
call: 919/541-5478,  
e-mail: [Rogers.donna@epamail.epa.gov](mailto:Rogers.donna@epamail.epa.gov)  
or write: Environmental Education Coordinator  
US EPA  
Education and Outreach Group (MD-7)  
Research Triangle Park, NC 27711
- EPA can also send you a free copy of the 18-minute video *Ozone: Double Trouble*, which explains the good (stratospheric) ozone and the bad (tropospheric) ozone.

**EXTRA MILEAGE**

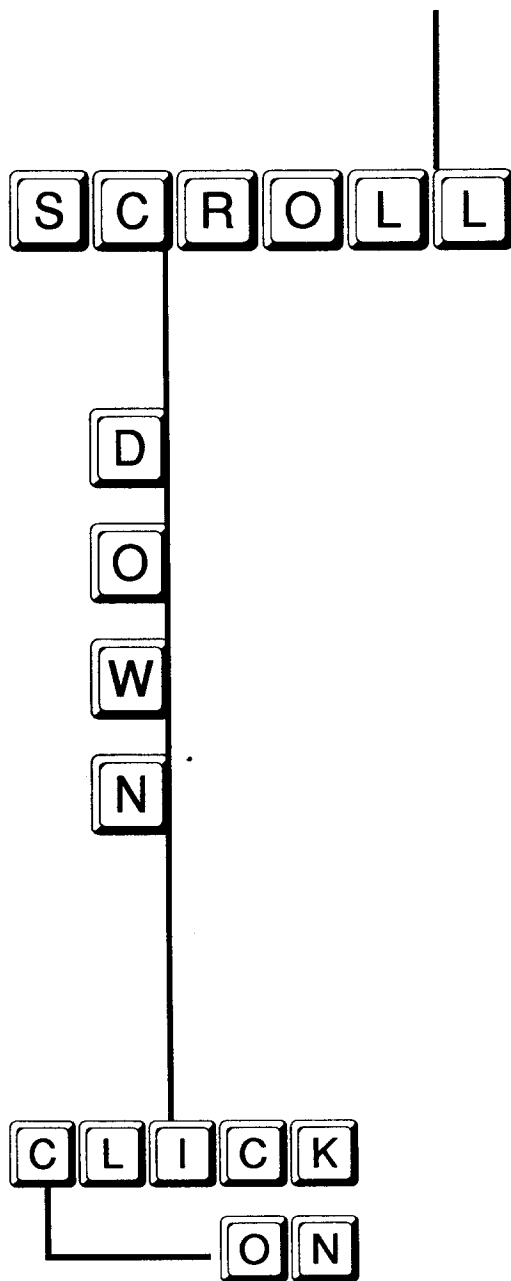
To learn more about your ecological address, request a free copy of the *Discover Your Ecological Address* brochure and poster from the Office of Environmental Education. You can learn even more about it by accessing the office's web site. (See next activity.)

## ACTIVITY 4 - Navigating the Net



Talk about a world of opportunities at your fingertips! You can discover all kinds of information, activities, media and other resources on-line. A good place to start is at the Office of Environmental Education web site. Access <http://www.ehnr.state.nc.us/EHNR/ee> through your Internet access provider and answer the following questions. *Return to the home page after each question.* For an extra challenge, try to find the answers without following the hints!

- 1) What is the centerpiece of the NC Wildlife Commission's *North Carolina WILD*?  
 Scroll down / Click on [Environmental Education Links](#)  
 Click on [North Carolina Links](#)  
 Scroll down / Click on [NC Wildlife Resources Commission-Conservation Education](#)  
 Scroll down / Click on [North Carolina WILD](#)  
 While you're here, check out the list of upcoming workshops  
 Scroll down / Click on [Workshop Schedules](#)  
 Also, notice that *North Carolina WILD Notebook* is a regular environmental educational feature in the *Wildlife in North Carolina* magazine.
- 2) How many miles long is the Neuse River?  
 Scroll down till you see [Know Your Ecological Address](#)  
 Click on [Discover your river basin](#) beneath it.  
 Scroll down / Click on [North Carolina Rivers Assessment River Basin Map](#)  
 Click on the Neuse River Basin  
 Scroll down to Major Streams in North Carolina
- 3) What fish sounds like it might be good with toast for breakfast?  
 Scroll down / Click on [Environmental Education Links](#)  
 Click on [North Carolina Links](#)  
 Scroll down / Click on [Marine Fisheries: Cool Kids' Stuff Jump In!](#)  
 Scroll down / Click on Open the Fishbox  
 Scroll down / Click on [dock](#)  
 Scroll down / Click on [tossing the hook here](#)  
 Click on Better butter boy
- 4) CP&L's TreeSmart program advises that crape myrtles grow best in what type of soil?  
 Scroll down / Click on [Environmental Education Links](#)  
 Click on [North Carolina Links](#)  
 Scroll down / Click on [Carolina Power and Light Company's Supporting the Environment Web Page.](#)  
 Click on [\(TreeSmart\) program](#)  
 Scroll down to the tree chart



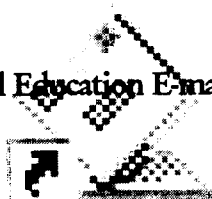
- 5) Under what conditions do cumulus clouds form?  
 Scroll down / Click on [Environmental Education Links](#)  
 Click on [Environmental Education Bookmarks](#)  
 Scroll down / Click on [USA Today Current Weather](#) under AIR  
 Scroll down / Click on [Hydrology](#)  
 Click on [For Teachers](#)  
 Scroll Down / Click on [Cloud Index](#) under All About Clouds on-line  
 Scroll Down / Click on [Cumulus](#) under Kinds of Clouds
- 6) What are three instructional workshops that have been approved for North Carolina Environmental Education Certification?  
 Scroll down / Click on [North Carolina Environmental Education Certification Program](#)  
 Scroll down / Click on [Approved Workshops](#)
- 7) How many environmental education activities are correlated to the North Carolina Standard Course of Study?  
 Scroll down / Click on [North Carolina Environmental Education Correlation](#)  
 Scroll down / Click on [What Is the Correlation and How Can It Help Me?](#)

#### EXTRA MILEAGE

Order *Let's Get Growing*, a free catalog of Environmental Science and Nature Education products.

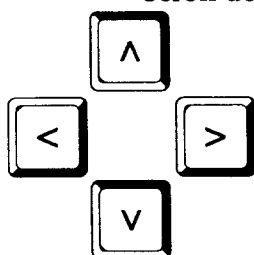
- Scroll down / Click on [Environmental Education Links](#)  
 Click on [National and International Links](#)  
 Click on [EE-Link](#)  
 Scroll down / Click on [Guides and Catalogs](#) under Classroom Resources.  
 Click on [Catalogs from Specific Organizations](#)  
 Click on [Let's Get Growing](#)  
 Click on [Company Catalog: the Paper Version](#), fill in the form and submit it

#### Environmental Education E-mail



If you have an individual e-mail account, you can subscribe to the Office of Environmental Education's e-mail list. This is a forum for the exchange of environmental education ideas, questions and opportunities in North Carolina. You can send e-mail to everyone on the list, and you will receive all e-mail sent to the list.

- Scroll down / Click on [NC-EE Mail List](#)  
 Click on [How to Subscribe](#)  
 Click on [Send e-mail](#) after To subscribe  
 Type subscribe nc-ee as the message



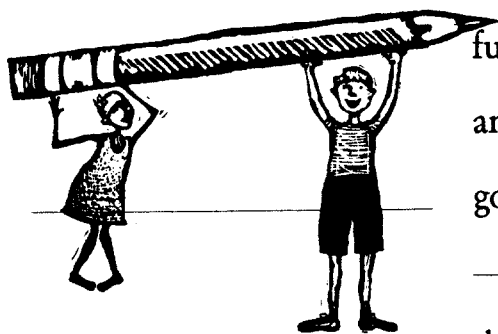
*Do not include any other text or you will get an error message*

## ACTIVITY 5 - *Defining Environmental Education*

This activity requires two or more people. You may want to photocopy this page before beginning. Read out loud the parts of speech under each blank. Do not read any other text out loud. Have other participants provide an appropriate word for each category. Once you have filled in all the blanks, read the entire message out loud. You will have written your own unique definition of environmental education!

*There is no one right answer, so have fun!*

**Your Definition of Environmental Education - Fill in the Blanks!**



Environmental education is many\_\_\_\_\_ plural noun. It is fun and\_\_\_\_\_ adjective, local and\_\_\_\_\_ adjective, shared and\_\_\_\_\_ adjective. You can learn about the environment just by going outside and\_\_\_\_\_ gerund. What we mean here is a \_\_\_\_\_ adjective program or set of \_\_\_\_\_ plural noun specifically designed to teach people about (the) \_\_\_\_\_ noun. Environmental education can be used with \_\_\_\_\_ plural animal of all ages. It crosses disciplines, including \_\_\_\_\_ area of study and \_\_\_\_\_ area of study. Environmental education is \_\_\_\_\_ adjective for everyone. You can do it indoors or \_\_\_\_\_ location. It doesn't tell people what \_\_\_\_\_ infinitive or what \_\_\_\_\_ infinitive, but provides them with knowledge and \_\_\_\_\_ plural noun to make \_\_\_\_\_ adjective decisions. Environmental education \_\_\_\_\_ present tense verb the issues and let's you make up your own \_\_\_\_\_ body part, recognizing that not everyone is going to come to the same \_\_\_\_\_ noun or have the same \_\_\_\_\_ noun. Environmental education sets itself apart from issue advocacy by supporting \_\_\_\_\_ adjective decision-making and \_\_\_\_\_ gerund diversity.



Now compare your definition  
with our ideas!

Environmental education is education that has an impact. It encourages us to consider our options and motivates us to take action. It provides us the knowledge and skills to make difficult decisions, to balance individual rights with societal needs. It encompasses all living and non-living things and helps us see past our individual boundaries to take a compassionate view of all life. It crosses all areas of study from science-oriented disciplines to the humanities. It crosses political boundaries and introduces us to our neighbors. It dissolves artificial borders and lets us see connections we never saw before. It draws us closer together as we struggle to find solutions to global issues. It employs different teaching methods. It seeks out diversity. It ultimately makes us more human by reminding us of our relationship to nature and to one another. It unites us in striving to make the natural environment suitable for health, happiness and quality of life. It helps us understand how past actions have affected the present, how present actions impact the future. And finally, it brings us home.



The North Carolina Environmental Education Certification Program recognizes and honors educators who complete specified requirements. These requirements involve acquiring knowledge and skills in Environmental Education and sharing it with others. For a brochure, a certification application packet or additional information, contact The Office of Environmental Education in Raleigh, North Carolina at 919/733-0711 or [ncee@mail.ehnr.state.nc.us](mailto:ncee@mail.ehnr.state.nc.us). Check the office's web site for more information.

#### Answers to Activity 1

- 1) turtles, alligators or touch tank animals
- 2) any educational state forest: Clemmons, Holmes, Tuttle, Rendezvous Mountain, Jordan Lake and Turnbull Creek
- 3) Rachel Carson and Zeke's Island
- 4) b. attend a Zoo Concepts workshop
- 5) Project WET!
- 6) an advanced North Carolina WILD workshop
- 7) Envirothon

#### Answers to Activity 2

- 1) Imagination Station
- 2) The Croatan Forest Safari
- 3) the North Carolina Aquarium at Fort Fisher
- 4) Grandfather Mountain
- 5) forestry, ecology and environmental issues
- 6) dolphin behavior and migration
- 7) Albemarle-Pamlico

## How to Reach the North Carolina Office of Environmental Education

Call: 919/733-0711 or 800/482-8724  
Monday through Friday between 7:30 a.m. and 5:00 p.m.

Write: Office of Environmental Education  
Post Office Box 27687  
Raleigh, NC 27611-7687

Visit: <http://www.enr.state.nc.us/ENR/ee>

Fax: 919/733-1616

Visit: 8th floor Archdale Building  
512 N. Salisbury Street  
Raleigh, North Carolina  
(park on street or in visitor's pay parking on Salisbury Street)

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### Environmental Education Excellence Checklist

Workshops and courses approved by the North Carolina Environmental Education Certification Program have to meet strict instructional criteria and are extensively evaluated. You can be confident they are excellent. What about other programs and materials?

Excellent environmental education is based on sound science, is free of bias and employs proven instructional learning methods. How do you know whether a program or set of materials is good? You can start by checking for these ten things.

#### Does the resource:

- ✓ provide sound scientific background and information?
- ✓ present differing points of view and suggest ways to evaluate them?
- ✓ encourage analytical thinking and independent decision-making?
- ✓ list the skills and topics it covers?
- ✓ include a variety of learning modalities?
- ✓ provide all the information and directions you need?
- ✓ have stated or readily-discernible learning objectives?
- ✓ supply sources for further study and background investigation?
- ✓ emphasize interactive, hand-on activities?
- ✓ provide some method of evaluation or feedback?

# Environmental Education



## “ENVIRONMENTAL EDUCATION

is an active process that increases awareness, knowledge and skills that result in understanding, commitment, informed decisions and constructive action to ensure stewardship of all interdependent parts of the earth’s environment.”

*The North Carolina Environmental Education Plan*



State of North Carolina  
James B. Hunt Jr, Governor



Department of Environment and Natural Resources  
Wayne McDevitt, Secretary



Office of Environmental Education  
Anne Taylor, Director